:							SHEE	<u> </u>	
LIST	OF PRIOR A	ART CITI	ED BY	ATTY, DOCKET N UIOWA-0050	0.	APPLN. SER 10/662,873			
OIPE	APPLICANT			APPLICANT(S) Johna LEDDY and Pengcheng ZOU					
MAR 0 5 2004	(PTO-1	1449)		CUSTOMER NO. 34610					
ir, at		1117)		FILING DATE September 16,	2003	GROUP 1773			
HADEWAR		U	.S. PATENT DO						
EXAMINER'		*ISSUE					FILII	NG	
SINITIALS	*PATENT NO.	DATE	*INVENTOR NAME		CLASS	SUBCLASS	DA		
ZK	6,355,166 B1	03/12/02	AMARASING	HE et al.	210	223	10/29/		
ak	6,106,963	08/22/00	NITTA et al.		429	19	05/05/9		
2R	6,479,176 B2	11/12/02	LEDDY et al.		429	10	06/29/0		
	5,871,625	02/16/99	LEDDY et al.		204	290 R	06/06/9		
A P	6,322,676 B1	11/27/01	LEDDY et al.		204	296	03/25/9		
ZP	6,303,242 B1	10/16/01	LEDDY et al.		429	10	12/10/9		
ZE	5,817,221	10/06/98	LEDDY et al.		204	290 R	02/05/9	96	
RE	5,786,040	07/28/98	LEDDY et al.		427	598	04/01/9	96	
AK	3,811,952	05/21/74	SIWERSSON 6	et al.	136	86 A	06/20/	73	
2 F	3,853,628	12/10/74	FOX		136	86 D	07/26/	73	
AK.	4,037,022	07/19/77	CHERON		429	10	05/06/	76	
22	4,201,827	05/06/80	HEITKAMP		428	283	11/23/	77	
QK.	3,409,471	11/05/68	F.V. STURM e	t al.			06/18/6	<u>54</u>	
RA	5,869,200	02/09/99	NUNNALLY		429	10	08/12/9	97	
	<u> </u>	U.S. PATE	NT APPLICATI	ON PUBLICATION	NS				
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*APF	PLICANT	CLASS	SUBCLASS			
			U.S. PATENT APP	LICATIONS					
	*APPLN. NO.	*FILING DATE	⁺INV	ENTOR	CLASS	SUBCLASS			
			i						
EXAMINER'		FC	OREIGN PATENT (DOCUMENTS	 	ſ	T	41	
S INITIALS	PATENT NO.	DATE	cou	JNTRY	CLASS	SUBCLASS	Transla Yes	No	
RK	WO01/99127A2	12/27/01	WIPO						
AK	JP 11323654	11/26/99	Japan (Full Japa	nese Text)	-		Abst		
3X	JP 2000030743	01/28/00	Japan (Full Japa				Abst		
RK	JP 2001252553	09/18/01	Japan (Full Japa				Abst		
DK	JP 2001155746	06/08/01	Japan (Fuli Japa	nese Text)			Abst		
ОТН	ER ART (Includir	ng Author, Tit	le, Date, Pertine	nt Pages, Publisher	, Place of	Publication. I			
115	Lois Anne Zook,	'Morphologica		f Nafion for Improve				,	
one	December 1996, p	p. 1-134.			·				
EXAMINER	EXAMINER JOCY FEB DATE CONSIDERED 10/29/04								
	/				<u> </u>				

				_				SHE	<u> </u>	
LIST OF PRIOR ART CITED BY					ATTY. DOCKET NO. UIOWA-0050 APPLN. SERIAL NO. 10/662,873					
OIPE	APPLICANT (PTO-1449)				APPLICANT(S) Johna LEDDY and Pengcheng ZOU					
MAR 0 5 2004					CUSTOMER NO. 34610					
1		1447)		Ì	FILING DATE	2002	GROUP			
TRADEMA	<u> </u>		S DATENT D	- - -	September 16,	2003	1773			
U.S. PATENT DOCUMENTS EXAMINER' *ISSUE FILING										
SINITIALS				FOR NAME	CLASS					
	L	V. G. D. Mari		_						
	*DATENT	U.S. PATEI	NT APPLICAT	TI(ON PUBLICATIO	NS				
	*PATENT APPLN. PUB. NO.	*PUB. DATE	*AF	9 P	LICANT	CLASS	SUBCLASS			
	<u> </u>	<u> </u>	U.S. PATENT AP	ים	ICATIONS		L			
<u> </u>	*APPLN.	*FILING	U.S. PATENT AP		LICATIONS		1	r		
	NO.	DATE	*iN	IVI	ENTOR	CLASS	SUBCLASS			
	<u> </u>	<u> </u>	DEIGN DATENT	-	OCUMENTO		<u></u>			
EXAMINER'			OREIGN PATENT		OCUMENTS		<u> </u>	Trans	slation	
SINITIALS	PATENT NO.	DATE	COUNTR			CLASS	SUBCLASS	Yes	No	
Rh	JP 10106581	04/24/98	Japan (Full Japanese		nese Text)			Abst		
	EP 0980105	021600	EPO						<u> </u>	
OTE	IER ART (Includir	o Author Tit	la Data Partir		nt Pages, Publisher	Dla 6	Dark Name 4			
25	Nicholas J. Turro	et al "Magne	tic Field and M	ao	netic Isotope Effect	s in Organ	ruoncanon, I	ical		
1 ale	Reactions. A Nov	el Probe of Re	action Mechan	isı	ms and a Method fo	r Enrichm	ent of Magneti	icai	pes,"	
	Acc. Chem. Res.,	1980, Vol. 13,	рр. 369-377.							
offe	W.B. Gu et al., "M	Iodeling disch	arge and charge	e c	haracteristics of nic	kel-metal	hydride batter	s,"		
M	Electrochimica Ad									
3K	A.L. Buchachenko	o, "Magnetic E	ffects in Chemi	ica	al Reactions," Russ	an Chemi	cal Reviews, N	lay 197	76,	
	Vol. 45(5), pp. 375									
					tion on Pt-Impact o		c Fields," The	Electro)-	
					(presented October					
RK	Non-Uniform Mag	, Magnetic id gnetic Fields at	on Exchange Po and Magnetic Mo	on	mer Composites: Ti	ansport Ei I Molecul:	nhancements I	Oriven t vecies "	Эy	
							<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			
SZL	Alexander H. Tullo, "Maintaining A Charge," C&EN Northeast News Bureau, July 15, 2002, pp. 25-26								26.	
707							, , , , , , , , , , , , , , , , , , , ,	FF		
24	Lester B. Lave et a	al., "Environm	ental Implication	on:	s of Electric Cars,"	Science, V	ol. 268, May	19, 199	5,	
At AL	pp. 993-995.					•				
15				eri	es in hybrid electric	vehicles,	' Journal of Po	wer		
M	Sources, 2000, Vo	1.91, pp. 2-26.								
EXAMINER	Loca And		D	A	TE CONSIDERED	100				
	04 1/4	<u>~~</u>			10/29/	07				

<u> </u>	· · · · · · · · · · · · · · · · · · ·							SHE	ET 3		
LIST OF PRIOR ART CITED BY				ATTY. DOCKET NO. UIOWA-0050 APPLN. SERIAL 10/662,873				IO.			
OIPE	APPLI	CANT			APPLICANT(S) Johna LEDDY	and Peng	cheng ZOU				
MAR 0 5 20	004 (PTO-	1449)			CUSTOMER NO	. 34610					
PIAN TRAVEL	<i>\$</i>				FILING DATE		GROUP				
TRADEN	ART				September 16, 2003 1773						
		U	.S. PATENT	r DC	CUMENTS						
EXAMINE R'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME		CLASS	SUBCLAS S		ING ATE			
	1	L.S. PATE	NT APPLIC	'ATT	ON PUBLICATIO	NC	<u></u>	<u>L</u>			
	*PATENT		ALIDIC	AII	ONTOBLICATIO	T		Γ			
	APPLN. PUB. NO.	*PUB. DATE	*APPLICANT		CLASS	SUBCLAS S					
	# A DDT N		. PATENT	APP	LICATIONS	<u> </u>					
	*APPLN. NO.	*FILING DATE	*INVENTOR		CLASS	SUBCLAS S					
						L					
EXAMINE		FORI	LIGN PATE	INT	DOCUMENTS						
R'S INITIALS	PATENT NO.	DATE	COUNTRY		CLASS	SUBCLAS S	Yes	No			
	IER ART (Including	ig Author, Tit	le, Date, Per	rtine	nt Pages, Publisher	, Place of	Publication, E	tc.)			
RR	D.A.J. Rand, "Bat	tery Systems f	or Electric V	'ehic	les - A State-of-the	Art Revie	w," Journal of	Power			
	Sources, 1979, Vo										
2×	Hongge Pan et al.,	electrode alla	gnetization t	reatr	nent on the electroc	hemical pr	operties of				
	La _{0.9} Sm _{0.1} Ni _{2.0} Co _{3.0} electrode alloy," Journal of Alloys and Compounds, 2001, Vol. 327, pp. 136-140.										
ZK_	Johna Leddy et al., "Magnetically Modified Fuel Cells," 39th Power Source Proceedings, 2000, pp. 144-147.										
R		Jianxin Ma et al., "New method to improve the electrochemical properties of hydrogen storage electrode									
	alloy," SciFinder S	Scholar, Jinshu	Xuebao, 20	01, 3	7(1), pp. 57-60 (Ab	stract only	Mogen storage	electro	<u>Jue</u>		
M	alloy," SciFinder Scholar, Jinshu Xuebao, 2001, 37(1), pp. 57-60 (Abstract only). V.I. Markarov et al., "Magnetic properties of powders, and their electrochemical activity," SciFinder								\dashv		
//	Scholar, Tr. Novo	cherkassk. Poli	tekh. Inst., I	970,	208, pp. 100-103 (A	Abstract or	ilv)	ringer			
	Masahiro Yamagu	Scholar, Tr. Novocherkassk. Politekh. Inst., 1970, 208, pp. 100-103 (Abstract only). Masahiro Yamaguchi et al., "Effect of a magnetic field on the emf. of a Ni-MH secondary battery,"									
A.	Tohoku Daigaku k 1992, 329-333 (Ab	Kinzoku Zairyo	Kenkyusho	Kyo	jiba Chodendo Zair	yo Kenkyu	Senta Nenji I	łokoku	,		
RA	Kanya Yamazaki et al., "Secondary nonaqueous electrolyte batteries containing magnetic additives," JP10106577, April 24, 1998 (Abstract only).										
EXAMINER											
Jag Jall 10/29					10/29/0	10/29/04					

LIC-	LIST OF DDIOD ADT OUT -			ATTY. DOCKET NO. APPLN. SERIAL NO.				
OF PRIOR ART CITED BY				UIOWA-0050 10/662,873				
	APPL	-ICANT	APPLICANT(S) Johna LEDDY and Pengcheng ZOU					
APR 2 1 2004 (PTO-1449) WE THANK TH				CUSTOMER NO. 34610				
				FILING DATE GROUP September 16, 2003 1773				
							N. A. Terrar	
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE		TOR NAME	CLASS	SUBCLASS	FILI DA	LINC
							+-	
							+-	_
		 -			_	 	+	
						 	-	
				· · · · · · · · · · · · · · · · · · ·		 		
-							-	
	 							
							-	
							ļ	
		Ü.S. PATE	NT APPLICATION	N'PUBLICATION	ONS	· 第八章	A	# /1
	*PATENT APPLN, PUB, NO,	*PUB. DATE		LICANT	CLASS	SUBCLASS		 /
			U.S. PATENT APPL	Far an examination of the same			<u> </u>	
- 1 SW. 4 5.	*APPLN.	*FILING	U.S. PATENT APPL	CATIONS				2
	NO.	DATE	*INVE	NTOR	CLASS	SUBCLASS		
· · · · · · · · · · · · · · · · · · ·			I OREIGN PATENT DO	CIMENTS			.67	
AMINER'S	PATENT NO.						Trans	lation
NK	JP10106577	04/24/98	Japan (Full Japanese Text)		CLASS	SUBCLASS	Yes	N
		1	oupan (i un Japa	anese rext)			XXX	<u> </u>
							 	-
								ļ —.
		 						
OTHER		and the second	de la defendación de	PART IN SPECIAL SECTION OF THE SECTI				
OTHER	ART (Including	Author, Title,	Date, Pertinent	Rages, Rublish	ier, Place o	f Publicatio	n, Etc.)	ră.
OTHER	ART (Including	Author, Title,	Date, Pertinent	Rages, Publish	ier, Place o	f Publicatio	n, Etc.)) = 1
OTHER	ART (Including	Author, Title,		Rages, Rublish	•	f Publicatio	n, Etc.)	(*)) :